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ABSTRACT

This document summarizes the activities of a conference held at the Institute of Finance Management in Tanzania on information resource sharing in Southern and Central Africa. Delegates and observers from Lesotho, Swaziland, Mozambique, Botswana, Zimbabwe, Malawi, Zambia, and Tanzania attended the conference. The 15 participants, 8 sponsored by Unesco and 6 by the Canadian International Development Research Centre (IDRC), were senior library and information personnel involved and experienced in resource sharing, library cooperation, and networking in Southern and Central Africa. Following an introduction, this final report summarizes the opening remarks; the present situation in resource sharing; country reports presented by representatives of each participating country; reasons for sharing resources; schemes for resource sharing, including interlibrary lending, centralized and shared cataloging, bibliographic control, staff exchange, and cooperative acquisitions and storage; tools for resource sharing; planning of resource sharing; development of a national information policy; and recommendations and plans of action at the national, regional, and international levels. A conference schedule, list of participants, and directory of the national focal points and national information committees of Unesco (United Nations Educational, Scientific and Cultural Organization) are included. (THC)

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UNITED NATIONS EDUCATIONAL,
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CONFERENCE ON RESOURCE SHARING IN SOUTHERN AND CENTRAL AFRICA

Dar-es-Salaam, Tanzania

16-19 December 1985

FINAL REPORT

General Information Programme and UNISIST

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CONFERENCE ON RESOURCE SHARING IN CENTRAL SOUTHERN AND CENTRAL AFRICA

FINAL REPORT

Tanzania Library Services Board
in cooperation with
United Nations Educational, Scientific
and Cultural Organization (Unesco)

1985

INTRODUCTION

1. The Tanzania Library Services Board, in close collaboration with Unesco, organized a Conference on Information Resource Sharing in Southern and Central Africa, at the Institute of Finance Management, Dar-es-Salaam, Tanzania, from 16 to 19 December 1985. The four-day conference also discussed the Formulation of National Information Policy.

2. Delegates and observers came from Lesotho, Swaziland, Mozambique, Botswana, Zimbabwe, Malawi, Zambia and Tanzania. Altogether there were 15 participants, 8 of which were sponsored by Unesco and 6 by the Canadian International Development Research Centre (IDRC). The participants were senior library and information personnel involved and experienced in resource sharing, library cooperation and networking in Southern and Central Africa.

3. The Conference elected the following officers:

(1)	Chairman: Tanzania			(Mr. E.E. Kaungamno)
(2)	Vice-Chairpersons	(a)	Botswana	(Ms K. Raseroka)
		(b)	Zimbabwe	(Mr. S. Made)
(3)	Rapporteurs	(a)	Malawi	(Mr. R. Mabomba)
		(b)	Swaziland	(Mr. B. Kingsley)

4. The main Conference working document was prepared by Mr. E.E. Kaungamno, Director of Tanzania Library Services. Entitled Information Resource Sharing in Southern and Central Africa, the document covered the following aspects:

1. Existing library and information services infrastructure

   - Administrative structure
   - Different types of libraries and information facilities
   - Personnel and training
   - Application of modern techniques to library and information services.

2. Resource sharing

   (a) The case for resource sharing

   (b) Schemes for resource sharing:

   - Interlibrary lending
   - Cooperative acquisitions
   - Cooperative storage
   - Exchange of materials
   - Centralized cataloguing

- Cooperative or shared cataloguing
- Staff education and training
- Bibliographic control

(c) Tools of cooperation:

- Bibliographies
- Union catalogues
- Indexes and abstracts
- Directives.

3. Existing resource sharing in Southern and Central Africa

4. Problems of resource sharing

5. Planning and operation of systems for resource sharing (with particular reference to interlending systems)

6. UAP and UBC and resource sharing

7. Information needs and requirements for development in Southern and Central Africa

5. The discussions on the Conference Working Document were based on an Executive Summary prepared by Mr. Victor Montviloff, Representative of the Director General of Unesco.

6. Country reports were presented to give up-to-date information on resource sharing in each participating country. This information gave a comprehensive picture of the resource sharing situation in the region and thereby filled in gaps left out in Chapter 3 of the Working Document i.e. Existing Resource Sharing in Southern and Central Africa. Proceedings and Recommendations were guided by a Work Plan based on the Executive Summary of the Conference Working Document. Concluding its debates the Conference considered that "Resource Sharing in Southern and Central Africa" was a timely and very appropriate theme particularly in view of the prevailing adverse economic situation in the region. At the end of the Conference each participating country expressed great enthusiasm to start implementing the recommendations.

7. The participants thanked Unesco and IDRC for sponsoring the Conference and hoped that they will be able to support follow-up national and regional meetings on resource sharing.

OPENING

8. The Director of Tanzania Library Services delivered the welcoming address:

1. Welcoming and introducing the Hon. Minister for Education;
2. Noting and welcoming participants and observers;
3. Thanking the sponsor;
4. Calling for positive results and concrete proposals on the exploitation of existing resources, national and regional resource sharing.

9. The representative of Unesco remarked on the role and interest of Unesco in resource sharing programmes at national and regional levels.

10. The Hon. Minister for Education, Mr. Jackson M. Makwetta delivered an opening speech and, in particular:

1. Warmly welcomed the participants.
2. Reminded participants of the power of information as an essential ingredient in the economic growth and industrial development of the countries in the region.
3. Urged that information generated in each of the countries, for it to be a power base, has to be shared to avoid wastage of scare resources such as time and money.
4. Warned that the prerequisite for sharing of resources is a well-established infrastructure which facilitates effective information transfer.
5. Encouraged the collection of information and its transfer for use in national development.

11. Mr. Maurice Lundu, Librarian of the University of Zambia at Ndola proposed a vote of thanks on behalf of the participants, and noted, in particular:

1. The high level of participation.
2. The role of the profession in the region's efforts to liberate itself from foreign domination.
3. The dominant messages that have emerged from the many regional meetings of information experts.
4. The need for coordinated organisation and exploitation of information.
5. The need for commitment and support from political leaders in the region.

12. The Conference elected the following officers (Proposed: Zambia; Seconded: Malawi).

1. Chairman: Tanzania (Mr. E.E. Kaungamno)
2. Vice-Chairpersons: Botswana (Ms. K. Raseroka)
   Zimbabwe (Mr. S. Made)
3. Rapporteurs: Malawi (Mr. R. Mabomba)
   Swaziland (Mr. B. Kingsley).

13. The Conference adopted the agenda with minor alterations (Annex 1).

I. PRESENT SITUATION IN RESOURCE SHARING

14. The Chairman presented the Main Conference Working Document, introducing the section headings, and the Executive Summary which highlighted those main areas of concern. In addition he explained that country reports would be expected to supplement the information in the section on Existing Resource Sharing in the Region (pp. 25-33 of the main working document).

15. Country reports were presented by representatives of each participating country. The following problems and ideas emerged from the reports and discussions on them:

1. There is an apparent proliferation in training. It was, however, questioned as to whether there is too much training or if it is the wrong kind. Existing schools should be strengthened to include all allied disciplines, e.g. documentation, archival studies.

2. There are basic communication problems, e.g. telephone links. These will be compounded if computer links to external data bases, through dedicated lines, are to be established.

3. Individual institutions have their own controlling legislation, which may be infringed upon by any coordinating bodies.

4. There exists a problem of attitudes towards each other between the information sector and society and within the sector itself (including empire-building).

5. Problems of adoption of suitable technology must be dealt with.

6. Interlibrary loans largely depend on "Gentlemen's agreements".

7. Shortages of personnel exist throughout the region at all levels.

8. There remain questions on reducing links with South Africa.

9. Links should be established and maintained with allied professions and their associations, e.g. writers, booksellers, publishers.

10. Language barriers remain (e.g. Portuguese/English).

11. Equating undergraduate and postgraduate diplomas needs to be examined.

12. Local needs must be clearly identified and understood before foreign aid is accepted.

13. A local commitment to projects must be ensured to avoid collapse at the completion of aid phases.

14. A selective strategy should be formulated to access material on the region collected by foreign agencies.

15. The possible role of micro-computers must be investigated.

16. The question of regional or national systems and interests needs to be further discussed.

16. Participant countries were surveyed as to the extent of availability of various schemes of resource sharing and the results were as follows:

1. Union Catalogues:

   Most countries have either University or National Library Services Union Catalogues. In no country are these combined.

2. Interlibrary Lending:

   Almost all arrangements are based on "Gentlemen's Agreements".

3. Photocopying

   Facilities are generally available but may not be available for resource sharing.

4. Union Lists:

   Generally available within either University or National Library Service systems.

5. Awareness Programmes

   Generally practiced.

6. Special Catalogue

   Generally available.

7. Exchange of Material:

   Generally practiced.

8. Training Resources:

   Generally available, though most at Certificate level.

9. Staff exchanges

   Not generally practiced.

17. The Unesco representative outlined the aspirations behind the General Information Programme in the development of library archives and documentation, emphasizing the major divisions which cover -

a. Information policy
b. Development of infrastructures
c. Norms and standards
d. Training, both at national and regional levels.

18. He indicated that past Unesco (PGI) activities in the region consisted mainly of support for individual projects in Member States and supporting participation of professionals at international meetings and workshops.

19. It was noted that activities were sporadic and that the SADIS project which had eventually not materialized had been seen as a significant opportunity to rationalize Unesco's support for information activities in the region. To that end, Unesco has supported the SADIS Feasibility Study.

The Unesco representative indicated that a resource sharing programme in the region would offer a mechanism for realising some of the objectives of SADIS.

20. He pointed out that the Conference should come up with proposals for a formal mechanism for resource sharing in the region as well as plans of action. He stressed the need for concrete proposals on which Unesco could base its decisions on channelling support to the region for the development of resource sharing.

21. The Conference noted and discussed a presentation by the IDRC representative concerning various information and documentation projects in the region, including those in which IDRC was involved, which were relevant to the deliberations of the conference.

II. REASONS FOR SHARING RESOURCES

22. The Conference discussed the need for resource sharing and adopted the four definitions suggested in the executive summary of the main working document. To the four reasons were added -

Lack of self-sufficiency
Economic crises
Facilitating users access to a wider range of resources

III SCHEMES FOR RESOURCE SHARING

23. To the eight schemes originally identified in the executive summary of the working document was added a ninth:

Staff exchange

21. The Conference accepted the following schemes in principle as being vital to resource sharing in the region, and discussed problems related to each of them.

a. Interlibrary Lending

- The need to improve on the existing "gentlemen's agreements" by introducing formal systems was stressed.

- National union catalogues were seen to be vital because they helped to identify what resources existed.

- There was a need for coordinating centres in each country.

b. Exchange of Materials

- Because of disparity in publishing or production of documents among institutions there should be an element of "donation" in exchange arrangments in the region. The lot-for-lot concept should be discouraged. A similar feeling was expressed with regard to interlibrary lending.

c. Centralized Cataloguing and Shared Cataloguing

- Though desirable as schemes of resource sharing, these were easy where computer facilities were available. The absence of such facilities in most libraries in the region made further consideration of these schemes worthless for the present.

d. Bibiographic Control

- The need for effecting adequate control to ensure maximum coverage of local publications was emphasized.

- There has to be at least one legal deposit institution in each country if not more.

- National bibliographies should be published.

e. Staff Training Facilities

It was noted that quota systems as practised by some instititions did not facilitate adequate sharing of the training resources of those institutions.

It was stated that where possible individual countries should not be discouraged from developing their own para-professional training facilities, and that countries lacking training facilities should be enabled to share other countries' facilities at all levels.

f. Staff Exchange

It was noted that this had a bearing on staff training and could be used to help alleviate identified weaknesses in a library system.

Programmes of staff exchanges were to be devised to suit individual needs. Staff shortages could not in any significant way affect exchange.

g. Cooperative acquisitions and cooperative storage were not favoured as appropriate schemes for resource sharing in the region. However where collection of local grey literature was involved, including items produced by locally based international organisations, careful attention ought to be paid.

25. The IDRC representative gave a summary of issues and problems which had surfaced in the Conference hitherto as follows:

a. Attitudinal issues: e.g. empire building; competitive spirit; public misunderstanding of the role of libraries; political considerations; competition for focal point roles.

b. Structural needs: e.g. strengthening the regional information resource base; no legally established national coordinating responsibilities or process for clarification of roles; lack of formal scheme; strengthening national resource sharing as a prelude to regional resource sharing; resource sharing should not be affected by personnel changes; SADIS and the need for a regional forum.

c. Priority setting: e.g. no identification of problems and interests; country reports mainly inventories of little use to problem-solving discussions; the need to understand own needs before accepting assistance from donors; needs for national plans.

d. Gaps: e.g. proliferation of training programmes; a range of other information providers not represented at the conference; international information systems such as AGRIS have no input in the conference; problems in assessment of utility of computer software; National Union Catalogues important for resource sharing but nowhere are they comprehensive.

IV TOOLS FOR RESOURCE SHARING

26. The conference accepted National Bibliographies, Union Catalogues, Indexes and Abstracts and Directories as the most significant tools in resource sharing.

a. <u>National Bibliographies</u>

The conference discussed various matters related to national bibliographies, emphasizing their need to be comprehensive, the significance of appropriate legal deposit laws, their coverage of grey literature and possibilities of assistance to countries unable to publish their bibliographies. Problems in the enforcement of legal deposit were noted and it was felt that measures should be taken to ensure public awareness of the law and adequate staffing in depository institutions.

Problems surrounding grey literature were discussed. It was noted that grey literature required hunting for, it was difficult to handle and organize. It was stressed that such literature was extremely important as a source of local information for development, and that it was mostly available free requiring no foreign exchange outlays.

b. Union Catalogues

These were noted to be expensive to compile and maintain but were useful as location tools. Use of computers and computer output microfilm provided a solution to problems of manual systems but financial implications prohibited computerisation.

c. Indexes and Abstracts

These were noted to be important when they covered local publications and grey literature.

Indexing of research and consultancy reports did help avoid unnecessary duplication of research and consultancy effort.

It was considered necessary to identify a national institution in each country to handle grey literature, such an institution being given appropriate government support.

d. Directories

- Various technical problems in compiling directories were identified.

- It was noted that directories became out of date quickly, personnel mobility being mostly responsible for that.

- A range of directories which would aid resource sharing was noted e.g. Directory of Libraries, bibographical directories - who is who, who specialises in what.

IV PLANNING OF RESOURCE SHARING

27. After recapitulating on proceedings of the first two days, the conference discussed various issues pertaining to the planning of resource sharing.

The following points emerged from the discussions:

a. Commitment by governments and information professionals was crucial to the success of any resource sharing ventures.

b. Within a country, sectoral development of information and documentation services was important. The sector by sector approach required the existence of a Central Coordinating Agency. Such an agency would also be important for regional resource sharing programmes.

c. Efficient bibliographic control within countries was a prerequisite for regional resource sharing.

d. Availability of adequate communication channels was essential.

e. It was necessary to compare acquisition policies among a country's libraries to avoid overlapping, unnecessary duplication and inadvertent creation of gaps.

f. Approaches shall be made to governments to facilitate conveyance of materials within a country in aid of resource sharing.

g. The significance of the microfiche in resource sharing was noted. It was further noted that micro-computers did not yet offer any easy alternative to manual bibliographic control systems.

h. Possibilities of including grey literature in legal deposit legislation should be considered seriously.

i. Training institutions should adopt recognized standards in their work. Training courses offered should be tailored to suit local needs in the country or region, special emphasis being given to the need for producing an appropriate cadre of rural information workers. The need to include elementary technical maintenance of library equipment in training programmes was observed.

j. It was noted that the use of consultants from outside the environment was not conducive to the development of local consultancy capability. Foreign consultants were not necessarily better qualified. The importance of biographical directories in the region was stressed.

V NATIONAL INFORMATION POLICY

28. The Unesco representative introduced the document "Guidelines on National Information Policy: Scope, formulation and implementation"and presented the evolution of the guidelines in relation to former UNISIST/NATIS concepts which had preceded the General Information Programme. He stressed that the existence of legally-backed policy statements provided reliable backing for planned national projects and emphasized the importance of the step-by-step approach to national information policy formulation and implementation as outlined in the guidelines.

29. Participants briefed the conference on the state of affairs in their respective countries regarding arrangements for national information policy formulation. It was observed that though no country had yet evolved an information policy, efforts were being made towards that end. The Unesco representative briefed the conference on the experiences of Jamaica in attempting to formulate information policy, emphasizing the importance of a coordinated approach.

30. It was noted that Unesco had undertaken to introduce the Guidelines to Member States through workshops and seminars, and that a few such workshops were being planned for 1986. The Unesco representative urged participants to study the Guidelines carefully with their counterparts

in their countries and convey constructive comments to Paris in due course. Feedback was required by Unesco. The conference received the Guidelines and noted that they had arrived appropriately at a time when countries were looking for guidance in formulating their own national information policies.

VI RECOMMENDATIONS

31. The meeting, having reviewed the existing situation regarding resource sharing in the countries of the region,

Recommended that:

Information resource sharing programmes should be encouraged among the information institutions (libraries, documentation centres, archives) at the national level and be extended later to a regional systems amongst SADCC countries.

The meeting further recommended to:

1. identify institutions which have the basic capacity, in terms of services provided and existing shareable information, to participate in resource sharing;

2. strengthen the capacities (holdings, tools, manpower) of these institutions to share resources;

3. develop basic resource sharing procedures or enhance existing procedures;

4. formulate formal national policies and plans regarding the extension of resource sharing at the national level;

5. adapt selected national resource sharing procedures to regional resource sharing activities.

Plan of Action:

To these ends the following were considered as possible actions:

At the national level:

1.1 A comparative study should be carried out as soon as possible on the holdings, existing services, tools and manpower available in institutions with similar interests.

1.2 Negotiations should be initiated soon after with some pre-selected institutions concerning ways and means of setting up resource sharing programmes; this should be based on further identification and selection of shareable resources (holdings, equipment, tools, services and manpower).

1.3 Formalisation of existing "gentlemen's agreement" should be carried out between the above institutions whenever applicable; with due regard to the distribution of responsibilities.

1.4 Securing adequate financial (local or foreign) and manpower support by the participating institutions.

2.1 Encourage the updating or development of reference materials such as national or special bibliographies, union lists, union catalogues, indexes, abstracts and directories.

2.2 Search for ways and means of improving the comprehensiveness of national collections through acquisition of published material and important "grey literature".

2.3 Formulate and enforce the legal deposit legislation regarding national collections.

2.4 Search for ways and means of acquiring appropriate technology and mechanized means of processing information (photocopying machines, microfiche readers, microfilming, micro-computers, etc.).

2.5 Tailor training programmes to the local needs with due regard given to their equivalency (standards) and avoid unnecessary proliferation.

2.6 Seek ways of promoting the exchange of personnel, in particular through participation in exchange training programmes and use of consultants from within the local pool of expertise.

3.1 Improve access to the information contained in directories of resources and access to the bibliographic records of the holdings of the institutions concerned.

3.2 Develop written acquisition policies to reduce unintended duplication.

3.3 Develop means of delivering required materials to member institutions, with minimum delays, in particular through interlibrary lending, and with an agreed code of practice.

3.4 Establish compatible resource sharing procedures and methods.

3.5 Develop ways and means of mutual utilization of existing and/or newly acquired appropriate technology.

4.1 Study ways of selecting and improving communication links between information institutions and libraries within the country.

4.2 Secure commitment of professionals and government officials in the promotion of an integrated information policy:

(i) To prepare, coordinate and implement development plans for all types of library and information services.

(ii) To evaluate such plans and include them in the national development plans.

(iii) To harmonize the allocation of all resources for library development, both from internal and external sources; and

(iv) To establish national standards for efficient operation of library and information services;

(v) To develop a unified scheme of service and a common salary structure for the profession and to prepare in consultation with established schools of librarianship the necessary manpower plans.

4.3 Set up national coordinating machinery whose responsibilities will include, among others:

(1) to create an awareness of existing publications and documents in the country, and

(2) distribution of publications and documents to institutions throughout the country.

4.4 Reinforce the administrative structure (national library services, library boards, or any other central or local authority, etc.) with appropriate legislation.

At the Regional level:

5.1 (i) Efforts should be made to develop resource sharing in the SADCC region and gradually reduce reliance on Pretoria.

(ii) Links should be established between national associations.

At the International level:

6.1 Secure ways of acquiring more comprehensive collections of publications and documents from overseas agencies in particular through formal exchange programmes, or from international or national donor agencies.

WORKPLAN

MONDAY 16TH DECEMBER 1985

8.30 am Registration - Institute of Finance Management.

9.15 am All delegates, observers and guests seated.

9.30 am Guest of honour, Honourable Mr. J. M. Makwetta Minister of Education arrives.

- Welcome address by E. D. Kaungamno, Director of Tanzania Library Services.
- Address by Mr. Victor Omntviloff, the Representative of the Director General of Unesco.
- Official opening speech by Mr. J. M. Makwetta Honourable Minister of Education.
- Vote of thanks.

10.30 am COFFEE/TEA BREAK

11.00 am Election of Conference Officers.

Discussion and adoption of agenda.

Presentation of the main Conference Working Document "Information Resource Sharing in Southern and Central Africa" by E. D. Kaungamno.

12.30 pm LUNCH BREAK

2.30 pm Short presentations of: (a) Country profiles
(b) UNESCO/IDRC.

4.00 pm COFFEE/TEA BREAK

4.30 pm Country profiles presentation - continued.

5.30 pm END OF DAYS SESSION

TUESDAY 17TH DECEMBER 1985

8.30 am Schemes and Tools for Resource Sharing.

10.30 am COFFEE/TEA BREAK

11.00 am Existing and Planned Resource Sharing in the Region.

12.30 pm LUNCH BREAK

2.30 pm Problems of Resource Sharing.

4.00 pm COFFEE/TEA BREAK

4.30 pm Problems of Resource Sharing - continued.

5.30 pm END OF DAY'S SESSION

WEDNESDAY 18TH DECEMBER 1985

8.30 am Planning Resource Sharing.

10.30 am COFFEE/TEA BREAK

11.00 am Planning Resource Sharing - continued.

12.30 am LUNCH/BREAK

2.30 pm Formulation of National Information Policy.

4.00 pm COFFEE/TEA BREAK

4.30 pm Formulation of National Information Policy - continued.

5.30 pm END OF DAY'S SESSION

THURSDAY 19TH DECEMBER 1985

a.m. - OPEN -

(Preparation of draft report, recommendations and plan of action)

11.30 am Presentation and adoption of:-

a) Draft Report

b) Draft Recommendations

c) Plan of Action.

12.30 pm LUNCH/BREAK

2.30 pm Draft Report, Draft Recommendations, Plan of Action- continued.

4.15 pm All delegates, observers and guests seated

- Official closing.

4.30 pm Guest of honour Mr. R. S. Juma, Chairman of Tanzania Library Services Board arrives.

- Welcome address by E. E. Kaungamno, Director of Tanzania Library Services.

- Speech by Mr. Victor Montviloff, Representative of the Director General of Unesco.

- Official closing address by Mr. R. S. Juma
  Chairman of Tanzania Library Services Board.

- Vote of Thanks.

7.30 pm - 9.30 pm Farewell reception by the Chairman of Tanzania Library Services Board at the National Central Library, Headquarter of Tanzania Library Services.

UNESCO CONFERENCE ON INFORMATION RESOURCE SHARING IN SOUTHERN AND CENTRAL AFRICA
DAR ES SALAAM, TANZANIA, 16-19 DECEMBER, 1985

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Mr. C. S. Ilomo	Mr. N. Mhina
Mrs. M. Kasembo	Mr. H. A. Merith
Mrs. N. Mwandoloma	Mr. J.K. Mchombu
Mr. T. E. Mlaki	Mr. H. Haule
Mrs. M. Y. Kasungu	Mr. E. A. Mwinyimvua
Mr. M. Mwenegoha	Mrs. D. Sekimang'a

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U N I S I S T

NATIONAL FOCAL POINTS (FP) AND NATIONAL INFORMATION COMMITTEES (NC)

POINTS DE CONVERGENCE NATIONAUX ET COMITES NATIONAUX POUR L'INFORMATION

AUSTRALIA/AUSTRALIE	FP	National Library of Australia Canberra, A.C.T. 2600
	NC	National Library Advisory Committee in Science and Technology
AUSTRIA/AUTRICHE	FP	Mr. Hans Schlager Federal Ministry of Science and Research Austrian Secretariat for UNISIST Minoritenplatz 5 A-1014 Vienna
BANGLADESH	FP	The Bangladesh National Scientific and Technical Documentation Centre (BANSDOC/BCSIR) Dacca - 5
	NC	The Bangladesh National Committee for UNISIST - BANSDOC/BCSIR Secretary : Mr. A. Salam 23 members/membres
BARBADOS/BARBADE	FP	The Permanent Secretary Ministry of Agriculture, Food and Consumer Affairs P.O. Box 505 Crumpton Street, Codrington, St. Michael
BELGIUM/BELGIQUE	FP	Services de la programmation et de la politique scientifiques (SPPS) 8 rue de la Science, Bruxelles
	NC	Groupe de travail de la Commission interministérielle pour la politique scientifique

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BOLIVIA/BOLIVIE	FP	Centro Nacional de Documentación Científica y Tecnológica (CNAT) Casilla correo 3283 La Paz
	NC	Consejo Nacional de Información para el Desarrollo (CONIDE) Casilla 8356 La Paz 8 members/membres
BRAZIL/BRESIL	FP	Prof. Mauricio Mattos Peixoto Presidente Conselho Nacional de Pesquisas (CNPq) SAS-Quadra 05 Lote 05 - Bloco H 70070 Brasilia, D.F.
	NC	Système national d'informations scientifiques et technologiques (CNPq)
BULGARIA/BULGARIE	FP	National Agroindustrial Union Center for Scientific, Technical and Economic Information Central Agricultural Library 125 Lenin Boulevard, Block 1113 Sofia Director : M. Peniu Kiratzov
	NC	Comité pour la science, le progrès technique et l'enseignement supérieur Département de la coopération internationale scientifique et technique Secretariat : 8 rue Slavjanska, Sofia
CANADA	FP	National Library of Canada Att. Mr. Guy Sylvestre, Director General UNISIST Focal Point 395 Wellington Street Ottawa K1A ON4
	NC	Canada Institute for Scientific and Technical Information Att. Mr. E.V. Smith, Director National Research Council of Canada Building M-55, Area 275 Ottawa K1A OS2
CAPE VERDE/CAP VERT	FP	Secrétariat d'Etat de la Coopération et du Plan Centre de documentation scientifique et technique Point de convergence UNISIST Praia

CHILE/CHILI	FP	Comision Nacional de Investigación Científica y Tecnológica (CONICYT) Canada 308 Casilla 297-V, Santiago
	NC	9 members/membres Président : M. M. Pinochet Sepulveda Mayor General presidente, CONICYT
CHINA/CHINE	FP	Institute of Scientific and Technical Information of China (ISTIC) Att. Mr. Liu Zhadong, Deputy Director P.O. Box 640 Beijing
COLOMBIA/COLOMBIE	FP	Fondo Colombiano de Investigaciones Cientificas y Proyectos Especiales "Francisco Jose de Caldas" - COLCIENCIAS Transv. 9a. A N 133-28 Apartado Aereo N 051580 Bogota
COSTA RICA	FP	Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICIT) Att. Zulma P. de Valenzuela C. Departamento de Información y Documentación Apartado postal 10.318 San José
CUBA	FP	Instituto de Documentación Científico-Técnica (IDICT) Calle C. No. 351 Havana 4
CZECHOSLOVAKIA/ TCHECOSLOVAQUIE	FP	Foreign Relations Department Central Office for Scientific, Technical and Economic Information (UVETI) Att. Miss Olga Zverinova, Executive Secretary 1 Staré Mesto, Konviktska 5 11000 Prague
	NC	Federal Ministry for Technological and Investment Development (FMTIR) Att. Dr. H. Vitkova, Executive Secretary Department 44 2 Vinohrady, Slezska 9 12000 Prague
DENMARK/DANEMARK	FP	Danish Committee for Scientific and Technical Information and Documentation Danish Research Administration Holmens Kanal 7, 1060 Copenhagen K

EGYPT/EGYPTE	NC	Academy of Scientific Research and Technology Committee of Publications and Scientific Information 101 Kasr el Eini Street, Cairo 15 members/membres
FINLAND/FINLANDE	FP	Finnish Council for Scientific Information and Research Libraries (TINFO) Central Statistical Office of Finland P.B. 504, SF-00101 Helsinki 10
	NC	Ministry of Education Board of Scientific Information 17 Rauhaakatu 4 00170 Helsinki 17
FRANCE	FP	Mission interministérielle de l'information scientifique et technique (MIDIST) 9 rue Georges Pitard, Paris 75015
	NC	Established/établi
FEDERAL REPUBLIC OF GERMANY/REPUBLIQUE FEDERALE D'ALLEMAGNE	FP	Bundesministerium für Forschung und Technologie (Federal Ministry for Research and Technology) Referat 411 Heinemannstrasse 2 5300 Bonn 2
	NC	Bundesminister für Forschung und Technologie Referat 414 Postfach 200706 D-5300 Bonn 2
GERMAN DEMOCRATIC REPUBLIC/REPUBLIQUE DEMOCRATIQUE ALLEMANDE	FP	Institut central d'information et de documentation de la République démocratique allemande Kopenickerstrasse 325
	NC	Président : M. Hans Och Directeur de l'Institut central d'information et de documentation de la R.D.A.
GHANA	NC	Ghana UNISIST National Committee Att. Mr. Adu - The Secretary P.O. Box M-32 Accra

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	NC	Interministerial Commission for Professional Information Budapest
ICELAND/ISLANDE	NC	University Library 101 Reykjavik 7 members/membres (Att. Mr. Thorir Ragnarsson, Secretary NC)
INDIA/INDE	FP	National Information System for Science and Technology (NISSAT) Information and Documentation Division Department of Science and Industrial Research Technology Bhavan New Mehrauli Road New Delhi - 110016
	NC	11 members/membres
INDONESIA/INDONESIE	FP	National Scientific Documentation Centre (PDIN-LIPI) Jl. Jenderal Gatot Subroto P.O. Box 3065 Jakarta
	NC	19 members/membres
IRAN	FP	Iranian Documentation Centre (IRANDOC) Institute of Research and Planning for Science and Education 1188 Enqelab Avenue P.O. Box 51.1387 Tehran
	NC	13 members/membres

IRAQ/IRAK	FP	Iraqi Foundation of Scientific Research Iraqi Scientific Documentation Centre Aquabba Bin Nafie Square Al-Masbah, P.O. Box 2441 Jadiriyah, Baghdad
	NC	Being established/en cours de création
IRELAND/IRLANDE	FP	The National Board for Science and Technology Shelbourne House Shelbourne Road Dublin 4
	NC	Being established/en cours de création
ISRAEL	FP	National Center of Scientific and Technological Information (NCOSTI) National Council for Research and Development 84 Hachashmonaim Street P.O. Box 20125 Tel Aviv 61200
	NC	Being established/en cours de création
ITALY/ITALIE	FP	Laboratoire d'études sur la recherche et sur la documentation du Conseil National des Recherches Via Ceasare de Lollis 12 Rome 00100
	NC	21 members/membres
IVORY COAST/COTE D'IVOIRE	NC	Comité national ivoirien pour l'UNISIST a.b.s. Secrétaire général de la Commission nationale de l'Unesco Boîte postale 2871 Abidjan
JAMAICA/JAMAIQUE	FP	National Council on Libraries, Archives and Documentation Services Ministry of Mobilization, Information and Culture 1 Devon Road, P.O. Box 272 Kingston 6
KOREA/COREE	FP	Korea Institute for Industrial Economics and Technology P.O. Box 205 Cheongryangri Seoul
	NC	10 members/membres

MADAGASCAR/REPUBLIQUE MALGACHE	FP	Service de la documentation et des collections scientifiques et techniques Ministère de l'enseignement supérieur et de la recherche scientifique B.P. 4163 Antananarivo
	NC	Being established/en cours de création
MALTA/MALTE	FP	Research Committee c/o University of Malta Valletta
	NC	Being established/en cours de création
MEXICO/MEXIQUE	FP	Centro de Servicios de Información y Documentación Consejo Nacional de Ciencia y Tecnologia (CONACYT) Entrado "A" 2o piso Centro Cultural Universitario Circuito Cultural Ciudad Universitaria, 04515 Mexico D.F.
MOROCCO/MAROC	FP	Centre National de Documentation (CND) Charii Maa El Ainaine Haut Agdal B.P. 826 Rabat
	NC	Secretary-General/Secrétaire-général Mr. Ahmed Fassi-Fihri Directeur du Centre national de documentation (CND)
NEPAL	NC	National Council for Science and Technology Kirtipur Kathmandu Dr. K.L. Shrestha (Member-Secretary) 5 members/membres
NETHERLANDS/PAYS BAS	FP	Nederlands Orgaan voor de Bevordering van de Informatieverzorging (NOBIN) Postbus 80544 2508 GM The Hague
	NC	Commissie Informatie Programma Unesco (CIPU) c/o Netherlands Library Council 5 Prins Willem Alexanderhof P.O. Box 95314 CH The Hague

NEW ZEALAND/NOUVELLE ZELANDE	NC	Building Research Association of New Zealand Private Bag Pori Rua Wellington 9 members/membres Chairman/Président: Prof. Vignaux Secretary/Secrétaire: Mrs. N. Hissink
NIGERIA	FP	UNISIST Focal Point c/o Science and Technology Information Unit Department of Science and Technology Federal Ministry of Education, Science and Technology 9 Kofo Abayomi Street Victoria Island, P.M.B. 12793 Lagos
	NC	Same address/même adresse
NORWAY/NORVEGE	FP	Riksbibliotekjenesten The National Office for Research and Special Libraries P.O. Box 2439 Drammensvn. 42, Oslo 2
	NC	Norwegian Committee for Information and Documentation (NORINDOK) 7 members/membres
PAKISTAN	FP	Pakistan Scientific and Technological Information Centre (PASTIC) Pakistan Science Foundation Quaid-e-Azam University Islamabad
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PERU/PEROU	NC	Consejo Nacional de Investigacion Camilo Carillo 110 Lima
PHILIPPINES		Scientific Clearinghouse and Documentation Services Division Science Promotion Institute National Science and Technology Authority P.O. Box 3596 Manila

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SPAIN/ESPAGNE	NC	Instituto de Información y Documentación en Ciencia y Tecnologia Patronato Juna de la Cierva C.S.I.C. Joaquin Costa 22 Madrid - 6 Sra. Rosa de la Viesca, Presidente 8 members/membres

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